

Abstract of the Disclosure

**MASTERBATCH OF FUNCTIONALIZED CARBON BLACK
AND ELASTOMER(S) AND ARTICLES WITH COMPONENT(S)
THEREOF, INCLUDING TIRES**

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10 This invention relates to preparation of a rubber composition by pre-mixing at
least one functionalized carbon black with an organic solvent solution or aqueous
emulsion of at least one host elastomer. Functionalized carbon blacks for the purposes of
this invention preferably contain a functional moiety on their surface to aid in promoting
covalent bonds between the functionalized carbon black and said host polymer. The
invention also contemplates the use of such rubber composition, or blend of such rubber
composition with at least one additional elastomer and/or rubber compounding
15 ingredient, as a component of an article of manufacture. Such article of manufacture
may be, for example, a tire. Such article may also be an industrial product such as, for
example, a hose or belt such as a conveyor belt or power transmission belt.

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